AVOX Systems

10260 Series Oxygen Regulator Assembly

The AVOX Systems 10260 Series is a single stage, high flow, pressure reducing regulator designed to safely and dependably reduce up to 2000 psig oxygen to the lower pressures required by crew diluter demand regulators. The outlet pressure is factory preset.

A compact aluminum body, drilled for bulkhead mounting, is ported to accept standard ANPT inlet and outlet fittings.

The regulator is fitted with a relief valve, and may be supplied with two gauges, with one gauge and a plug, or with two plugs only. The 10260 Series is designed for use with Aviator's Breathing Oxygen per MIL-PRF-27210.

Operation

High pressure oxygen enters the regulator assembly at the inlet port. A single stage pressure reducing mechanism then reduces the high pressure oxygen to the factory preset pressure. This lower pressure oxygen then passes through the regulator outlet to the crew diluter demand regulators. Correct oxygen supply pressure to the diluter demand regulators is constantly maintained by the Series 10260 regulator.

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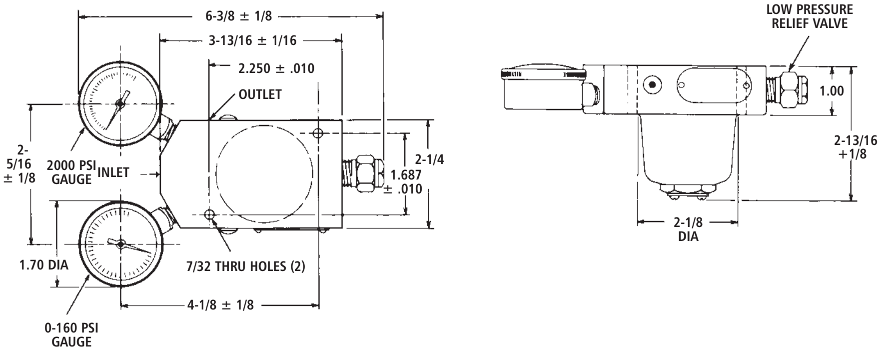
10260 SERIES OXYGEN REGULATOR ASSEMBLY

Shown In "Ready To Install" Condition. See Warning Back Page.



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ISO 9001:2000 / AS9100 A:2001
SAE AS9100

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10260 Series Oxygen Regulator Assembly

Outstanding Features

- Designed for inlet pressures to 2000 psi
- Pressure relief valve on outlet side
- Compact design weighs 1.37 lbs complete with gauge and relief valve

Notes	
P/N 10260-2 (BAC 10-60018)	Includes 1 HIGH PRESSURE & 1 LOW PRESSURE GAUGE (as illustrated)
P/N 10260-4 (BAC 10-60018-1)	Includes 1 LOW PRESSURE GAUGE & 1 PLUG
P/N 10260-18	Includes 2 PLUGS ONLY — NO GAUGES
P/N 10260-06 (BAC 10-60018-2)	1 LOW PRESSURE GAUGE
P/N 10260-08	2 PLUGS ONLY — NO GAUGES

Specifications

Type	Single Stage
Pressure Range	50-75 psig for -2, -4, -18 • 70-94 psig for -06, -08
Pressure Variation	With a supply variation from 1800 psi to 150 psi, regulated pressure increase does not exceed 12 psi
Flow Capacity	Regulated to 300 lpm at supply pressures of 150 to 1800 psig
Weight	1.37 lbs (627 g) complete with gauge and relief valve
Material:	
Body	Aluminum
Metal Components	Aluminum and Stainless Steel
Diaphragm	Silicon Rubber
Valve Seat	KEL-F81 (PCTFE)
Inlet Size	1/4” ANPT Female
Outlet Size	1/8” ANPT Female
Relief Valve	-2, -4, -18 relieves at outlet pressure of 100 to 110 psi; -06, -08 relieves at outlet pressure 120-130 psig
Envelope Size	See figure

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS APPARATUS MAY RESULT IN INJURY OR DEATH. ANY SERVICE OR OVERHAUL SHALL BE DONE ONLY BY THOSE FACILITIES EXPERIENCED IN, OR BY PERSONNEL KNOWLEDGEABLE IN HIGH PRESSURE AVIATION OXYGEN EQUIPMENT. CONTACT AVOX SYSTEMS OR ITS DISTRIBUTORS FOR NAMES OF AUTHORIZED SERVICE CENTERS. PERSONNEL SHOULD RECEIVE PROPER TRAINING PRIOR TO USING THIS REGULATOR. UNIT SHALL BE USED ONLY WITH AVIATOR’S BREATHING OXYGEN PER MIL-PRF-27210.

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